

Features

Manufactured from carefully selected Graphite Flakes and Silicon Carbide, bonded with Eco-friendly Resin, offers the following advantages:

Fuel Economy

The amount of fuel needed to melt in an ordinary crucible increases steadily as the crucible oxidizes and loses speed. The constant high melting speed of our crucibles gives substantial fuel saving in comparison to other crucibles.

High Thermal Conductivity

Century crucibles are bonded with carbon type materials and leave behind the carbon bond. This along with highly heat conducting inputs help to give high thermal conductivity, resulting in very quick melting.

High Resistance to Thermal Shock

Century crucibles have a highly refractory body. This along with low porosity, a low coefficient of thermal expansion and a high thermal conductivity give excellent resistance to thermal shock.

High Resistance to Oxidation & Corrosion

Century crucibles are protected by an ultra complex system of multiple glazing. The special chemicals in the body close the pores on all sides of the body forming an anti corrosive coating which does not allow any oxidation and corrosion of the crucible body thus prolonging the crucible life.

High Resistance to Chemical Attack by Fluxes and Slags

Though graphite is chemically inert and resistant to corrosive chemicals, the bond is susceptible to chemical attacks by fluxes and slags. Our crucibles made of chemically inert graphite and silicon carbide and carbon resist attacks by alkaline fluxes used for light alloys, the oxidizing /reducing fluxes used for copper alloys and the corrosive slags formed from them.